

**IN THE ABSTRACT:**

Please substitute the originally filed Abstract with the Abstract, which is provided on a separate sheet, as follows:

**ABSTRACT OF THE DISCLOSURE**

[0063] A metal plate material hot molding apparatus is provided for press molding a heated metal plate material. The apparatus may include supply piping for a cooling medium in a mold, and ejection holes penetrating from a molding surface of the mold to the supply piping. The exemplary apparatus may also include discharge piping for the cooling medium situated in the mold, and discharge holes penetrating from the molding surface of the mold to the discharge piping, and cooling piping. Molding procedure can be performed while the cooling medium is ejected from the ejection holes to a gap between the metal plate material and the mold.